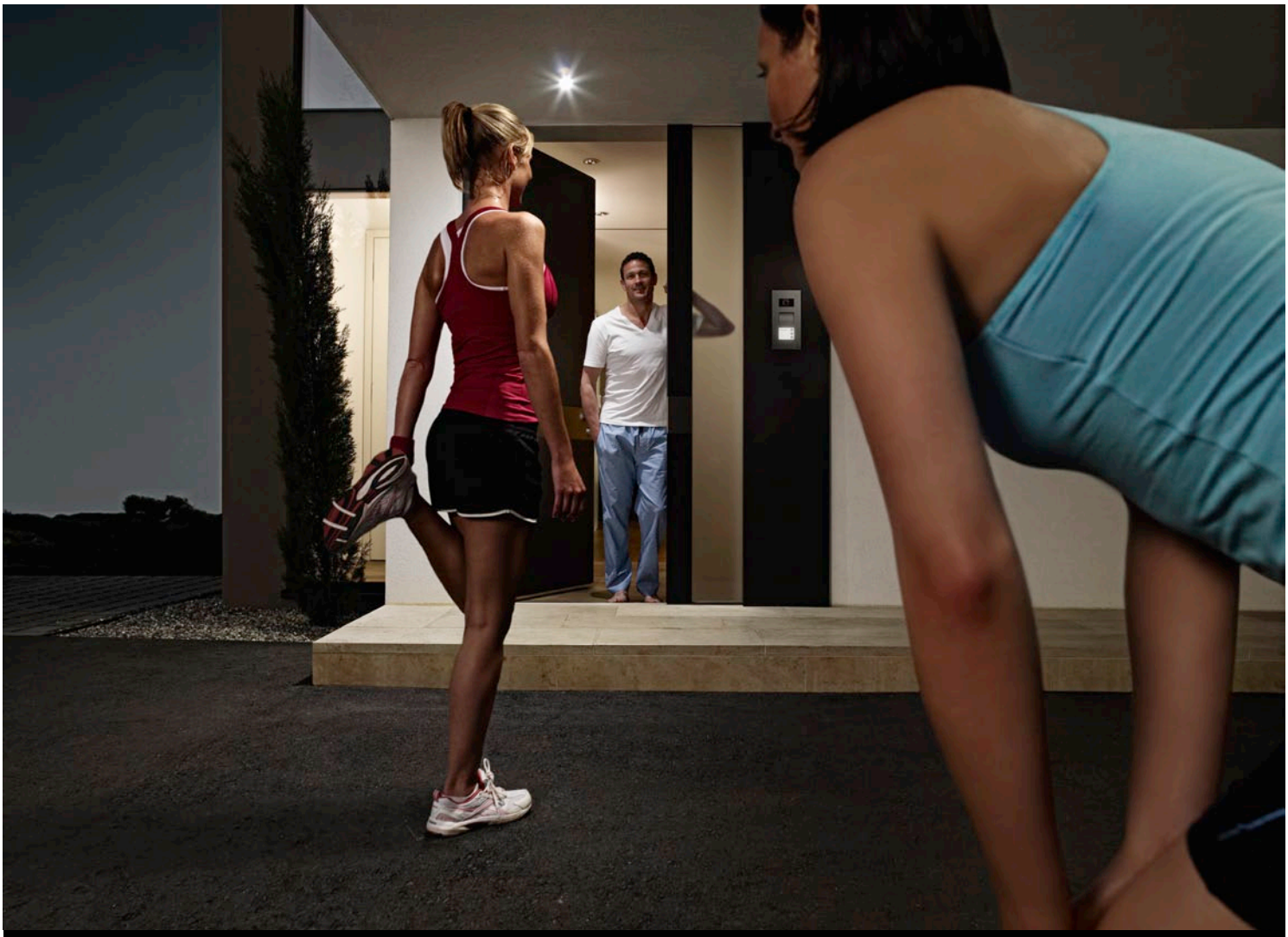


Door Communication

A new home experience
ABB-Welcome

Power and productivity
for a better world™

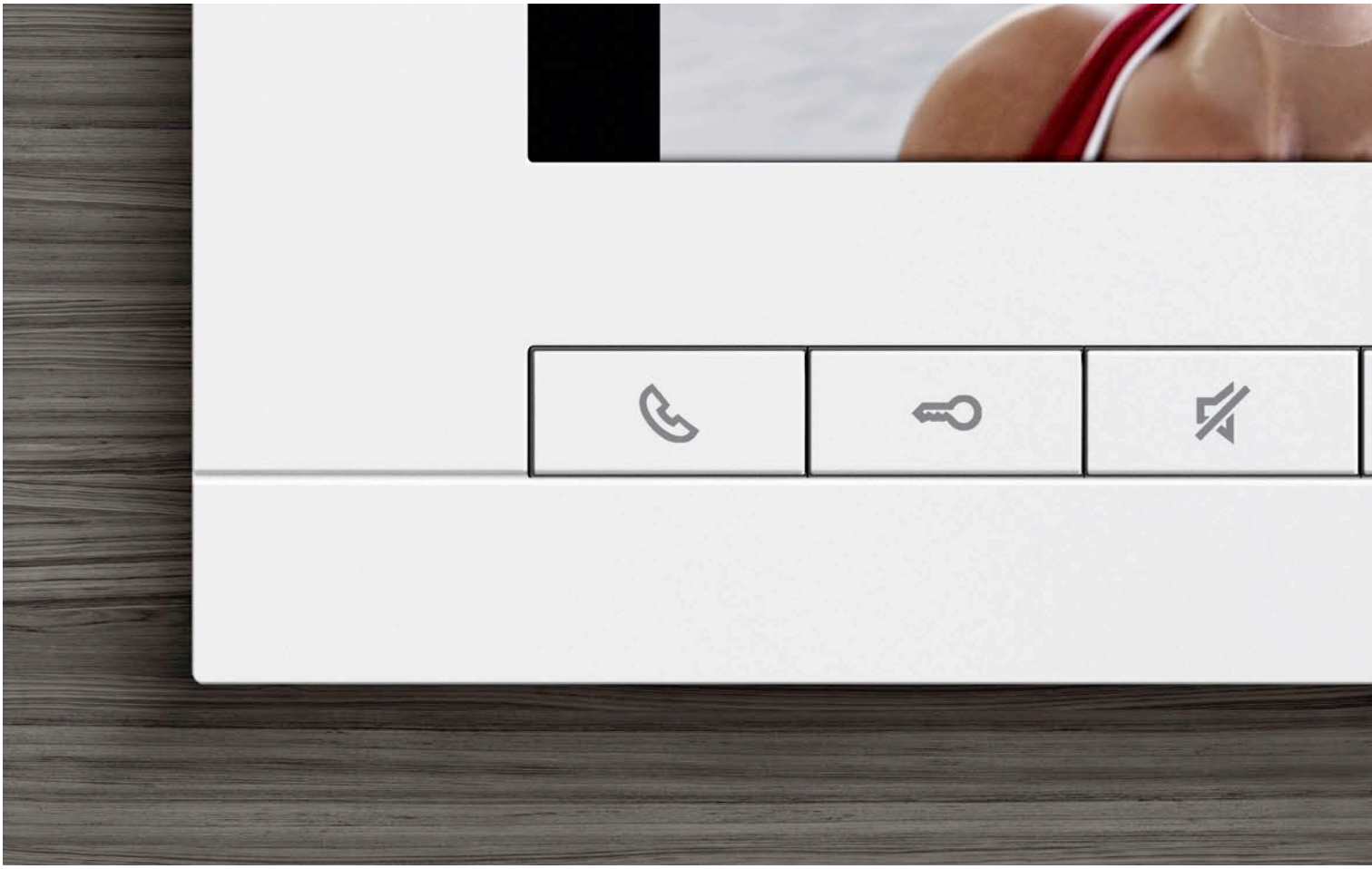
Welcome to life,
welcome at home.

The front door is the gateway between two worlds, it is what separates and protects your own living space. The new modern door communication ABB-Welcome from Busch-Jaeger now creates new possibilities of communication between the two worlds – comprehensive comfort with greater safety along with stylistically suitable design. The system harmoniously adapts to the architecture outdoors and indoors. In the interior area it can be uniformly arranged with light switches and socket outlets.

Welcome home.
Intelligent welcome.

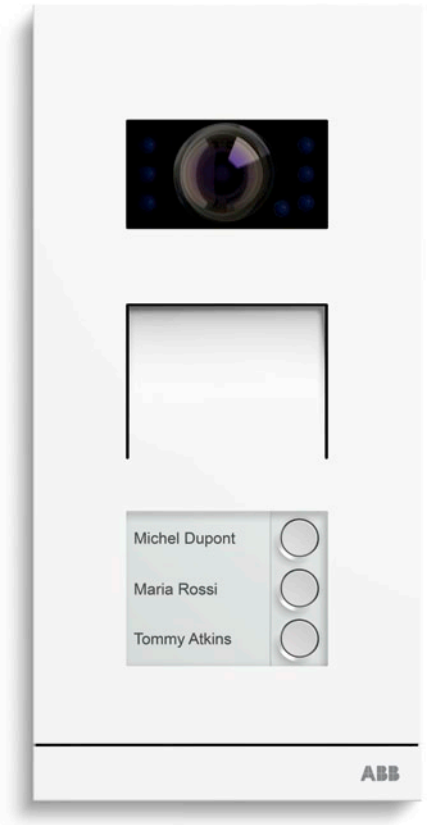
ABB-Welcome. The new door communication from Busch-Jaeger, the leading brand with 130 years of excellence in home technology and innovative solutions for intelligent building automation. The new product range ABB-Welcome supplements the comprehensive range in a practical way. It sets new standards as a holistic system. It combines perfect design, comfort, efficiency and safety. Living space can now be consistently and uniformly designed. From the light switch up to door communication. Inside and outside.

Designed to serve with comfort.



Please come in, into new freedom of innovation and safety. ABB-Welcome makes it easier for residents and visitors to gain safe access through comfort and functional design, a design which is reduced to the essentials by means of intuitive operability and style which can be integrated into all surroundings. The comfort with ABB-Welcome starts already with the installation, easy, simple and with much less effort.

Door to door.
Technology and progress.



01

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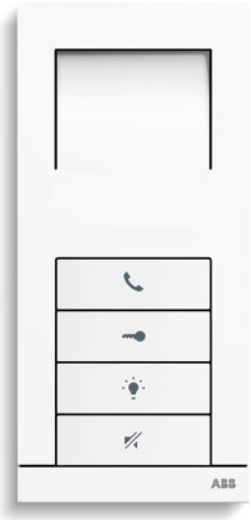
iOS

The right solution for every requirement. With the wide range of well-designed products, optimum door communication can be made a reality for all types of buildings. Without great effort due to the 2-wire bus technique. And always with high-quality materials that are carefully matched. This makes ABB-Welcome ideal for use in new buildings as well as the later integration during modernisation of all types of real estate.

Experience the impressive visualization of the ABB-Welcome products with the **Welcome 3D** Augmented Reality app. The app is available free of charge in the app store or Google Play Store.

03



04

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01 **ABB**-Wel**come** video outdoor station

02 **ABB**-Wel**come***Touch*

03 **ABB**-Wel**come** indoor audio station with handset

04 **ABB**-Wel**come** indoor audio station

05 **ABB**-Wel**come** indoor audio station with display

The new encounter.
Functionality meets design.

ABB-Welcome outdoor stations. Often stories and moments either begin or end at the front door where the outside world and the home meet. Many situations are encountered here, and ABB-Welcome makes this as easy and safe as possible. The ABB-Welcome outdoor station provides each and every day with a remarkable experience, whether with its multifunctionality with video or audio, flush-mounted or surface-mounted, or with its timeless design. Always impressive with innovative functions for greater comfort and safety. This ensures that only pleasant surprises gain access to your home.

›› High-quality materials
» Timeless design
» Easy installation

Appealing.
Both visually and linguistically.

Speaking and hearing. And seeing if desired. That is why the ABB-Welcome outdoor stations are available in two versions, depending on requirement. As a pure audio version or as comfortable video version.

ABB-Wel**come** outdoor stations

» Full duplex / suppression of noise interference
» Easy installation

01 **ABB**-Wel**come** audio outdoor station

02 **ABB**-Wel**come** video outdoor station

» Video camera
» Automatic day and night switchover

01

02

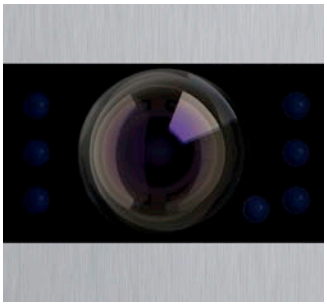
ABB-Welcome. Always willing to listen to visitors. For both stations the integrated hands-free function offers optimum audibility – due to its full duplex operation and suppression of noise interference. They are available for easy installation on all buildings either for surface mounting or flush mounting. With high protection against unauthorised access. And yet, nothing escapes the ABB-Welcome video outdoor station. Its high-quality colour camera covers a large viewing area and can be mechanically adjusted for each individual area surrounding the house.

Comfort.
In every way.

For the enjoyment of everybody. The new ABB-Welcome outdoor stations are appealing from every viewing angle. And it has many functions to make life at home more comfortable and safer. During the day and at night. The result is always the same – optimum door communication for every resident and every visitor.

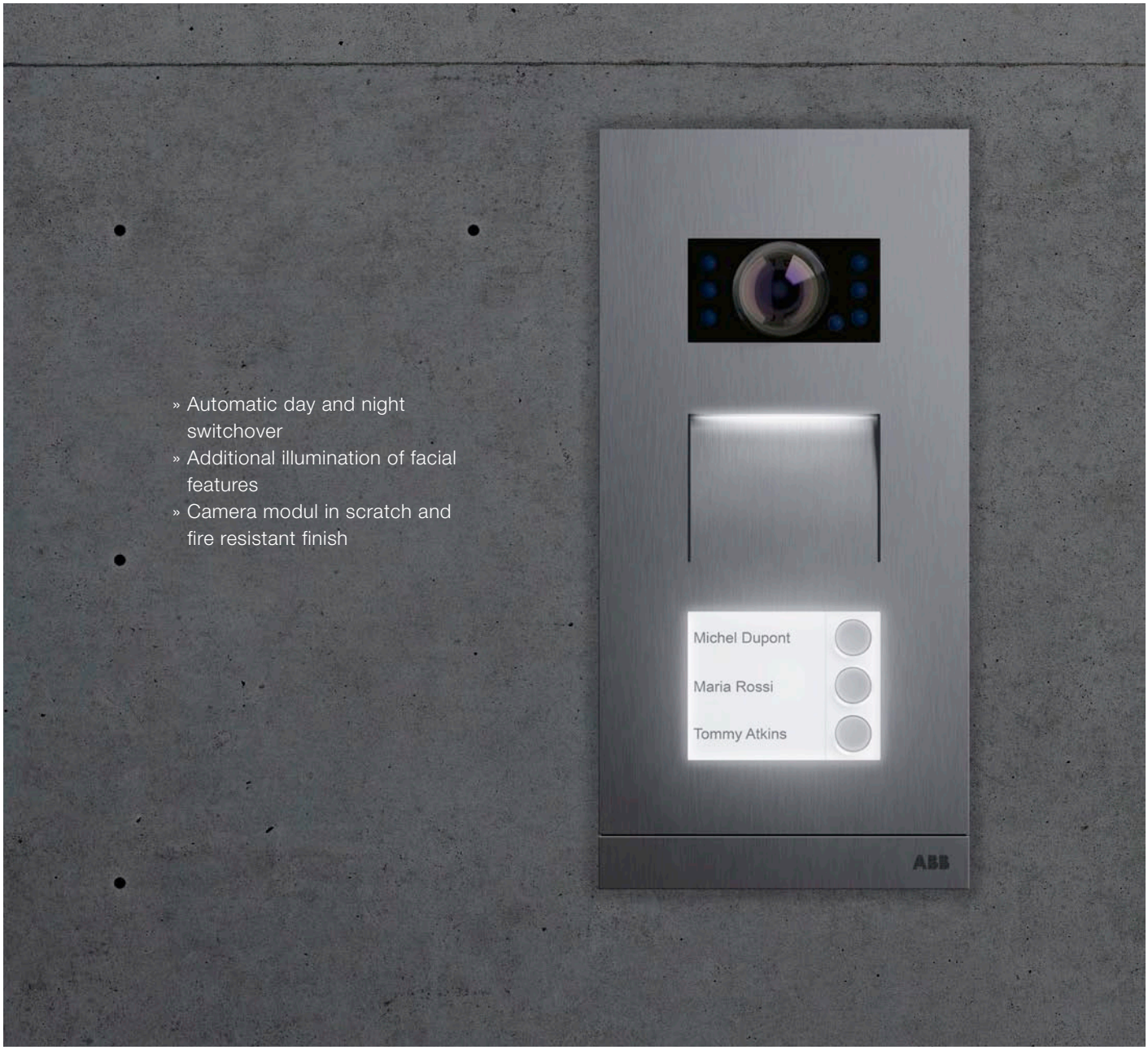
Large detection angle
The colour camera of the video outdoor station has an extra-wide field of vision of 104° (diagonal) and is mechanically adjustable by 15° (horizontal / vertical) individually to the surroundings. For safely recognising persons in the entire entrance area.

Excellent audibility
Integrated hands-free function. The full duplex function makes speaking and hearing possible at the same time. Suppression of noise interference provides a clear sound on both sides of the front door.



Best night illumination.
Intelligent sensor. The six infrared LEDs switch on or off in dependence of the ambient light. And the camera switches over to black and white. This ensures that the facial features are clearly seen. This means that visitors can be clearly seen even when it is completely dark.

Perfect integration.
Thanks to the 2-wire bus, the integration of the ABB-Welcome door communication into letter boxes, doorbell panels and lateral door components is extremely easy. The basic audio module with microphone and loudspeaker is easy to combine with camera and button extension for up to 99 buttons.


» Automatic day and night switchover
» Additional illumination of facial features
» Camera modul in scratch and fire resistant finish
Michel Dupont
Maria Rossi
Tommy Atkins
ABB

Safety and comfort around the clock. For day and night the ABB-Welcome outdoor stations switch over automatically via a light sensor. This means that your entrance area is always optimally presented and visitors can easily see the uniformly illuminated bell plate from afar. With the ABB-Welcome video outdoor station you can easily see the facial features even when it is dark. This is ensured by additional infrared LED illumination. It is automatically activated when the bell button is pressed. And this very efficiently because the energy-saving LEDs last many years.

Colour follows style.
Equipment for requirement.

Numerous variations. All ABB-Welcome outdoor stations are available in two material versions (metal-coated / brushed stainless steel) and many bell module variations. Suitable for every type of facade and application.

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ABB-Wel**come** outdoor stations

- » Full duplex / suppression of noise interference
- » Easy installation

01 **ABB**-Wel**come** video outdoor station, stainless steel

02 **ABB**-Wel**come** video outdoor station, metal, studio white matt

- » Video camera
- » Automatic day and night switchover

03 **ABB**-Wel**come** audio outdoor station, stainless steel

04 **ABB**-Wel**come** audio outdoor station, metal, studio white matt

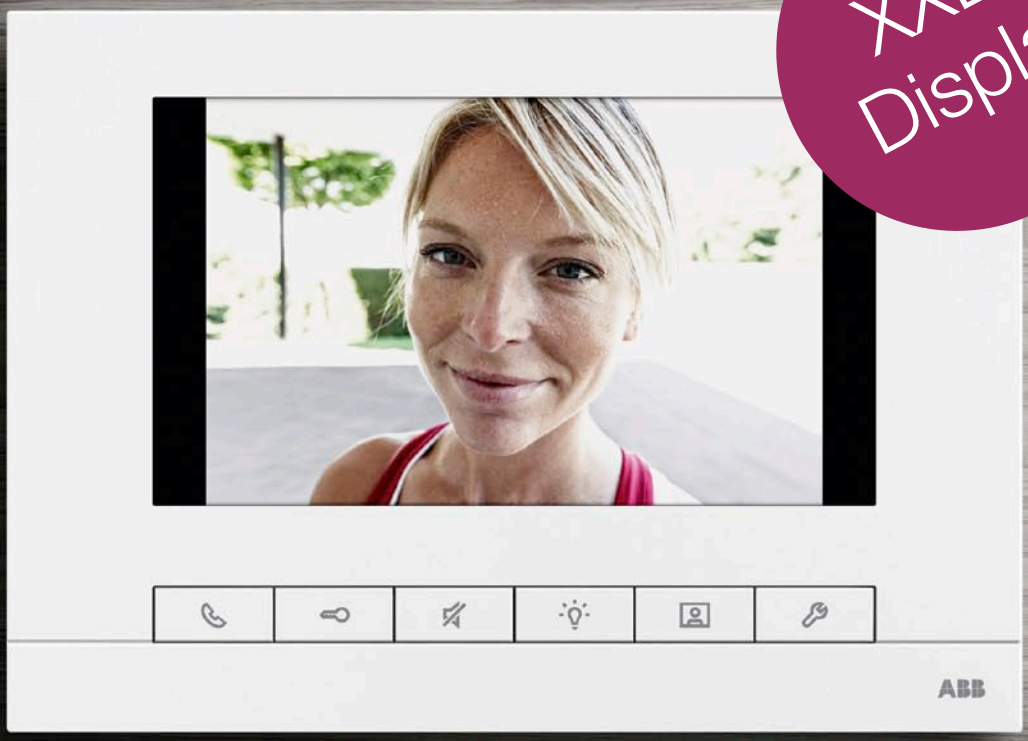
For one front door or several apartments. The ABB-Welcome outdoor stations can be optionally equipped with 1, 2 or 3 key module(s). Which makes them ideal for the one-, two- or three-family home. In addition, for houses with several apartments there is the ABB-Welcome outdoor station with 4, 6, 10 or 15 bells. The video outdoor station is available with 4, 6, 8 or 12 bells. By combining the module versions the number of bells can be assembled according to requirement. All versions are technically identical.

Invitation.
Into a new dimension.

ABB-WelcomeTouch. Life at home begins behind the door. This is where personal style finds expression in the furnishings and the demand on comfort through innovative technology. Here ABB-Welcome fulfils individual demands made on door communication while at the same time creating new opportunities for making daily communication more comfortable and safer. And that in a dimension that is totally unique – harmoniously integrated into the Busch-Jaeger switch design. Simply surface-mounted.

» Large TFT touchdisplay
» Intuitive operation
» Easy installation

XXL-Display

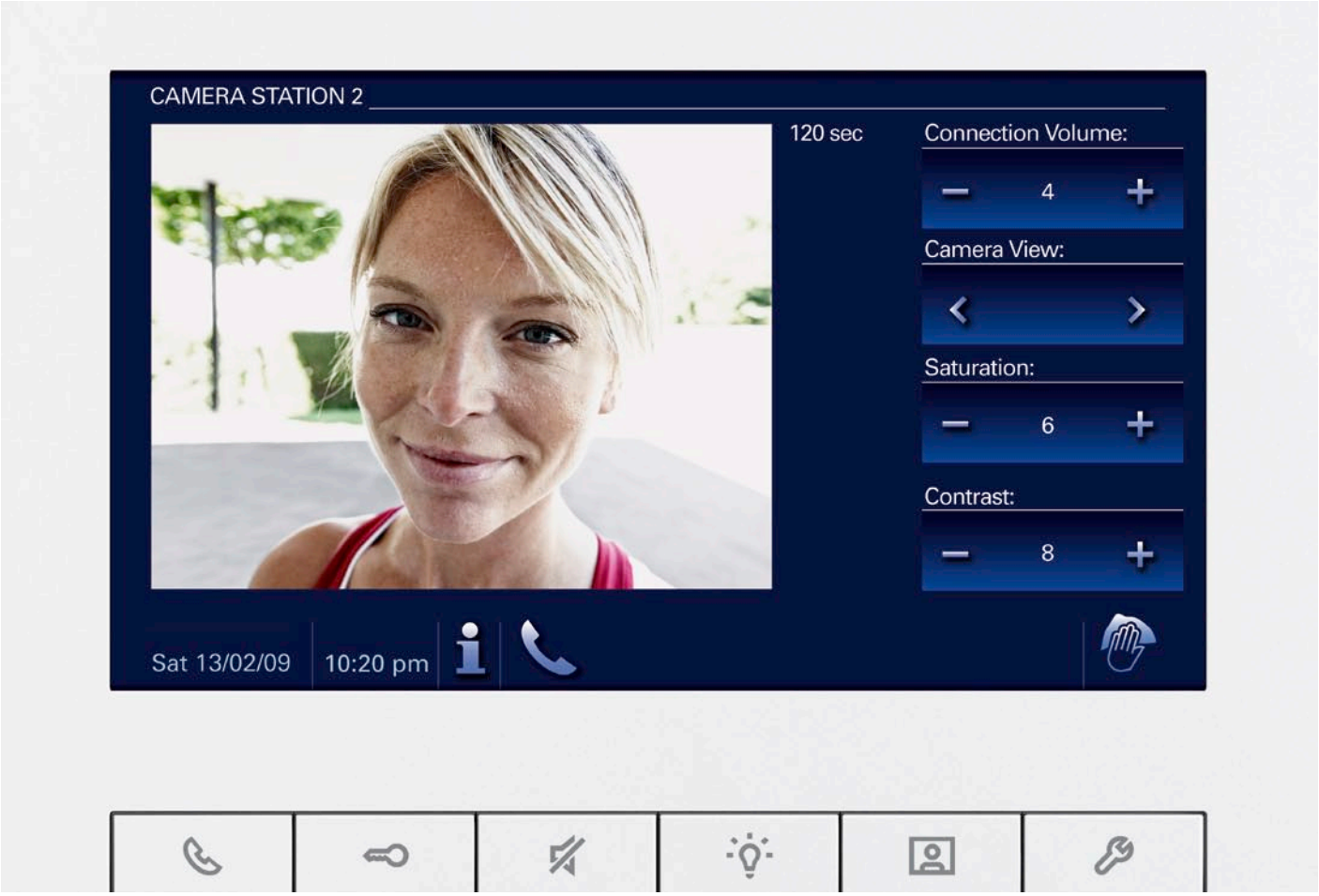


Be fully aware of what is happening. Even during your absence.

Magnificent views. Behind the front door. The high-resolution XXL touchdisplay with its diagonal screen of 17.8 centimetres (7") shows hitherto hidden details at the front door in a unique dimension. Or optionally your best holiday photos in the electronic picture frame function.

Touchdisplay size

1:1



The ABB-WelcomeTouch impresses not only with its size but also with additional features which offer new options for your door communication. At an incoming door call the camera image of the visitor at the door appears automatically. During the conversation, photos can be taken spontaneously. And in absence, three pictures are taken automatically of each visitor for safety reasons each time the bell is rung. Very practical. For continuous monitoring of the home. Five bell sounds are available for door and floor ringing. The volume of the bell sounds as well as for the hands-free kit is adjustable.

Six easy operation keys. Simple operation.

Everything is self-explanatory. Fast intuitive operation takes place via the high-resolution touchdisplay together with six easy-to-understand operation keys. They are used inter alia to directly and safely control door opener, mute function and hall light. This makes the ABB-WelcomeTouch a reliable system for all living phases.

Communication
For accepting and concluding calls.

Door opener
Opens the electric door lock.

Mute function
Switches off the microphone of the indoor station during a conversation. To prevent the visitor at the front door from listening in. It can also be used to switch off the bell. The bell switches back on automatically after 10 hours.

Light
For directly switching on the hall light.

Snapshot
For spontaneously taking a photo of visitors at the front door.

Settings
For individually configuring the device.

Mobility for the home.
To be able to identify, welcome and allow visitors to enter from your favourite spot in the home is optimal mobility and the utmost in convenience. That is why the ABB-Welcome App. makes door communication available for the iPhone*, iPad*, iPod* touch or Android Smartphones and tablets (only with the IP-Gateway at a charge).

iOS

The associated apps are free of charge.

QR-Code service.
ADetailed information at www.busch-jaeger.de/de/QRCode/doorentry/

Progress.

If required, it remembers everything. For the continuous monitoring of the home all pictures of visitors are stored and archived on the ABB-WelcomeTouch. Either spontaneously during the conversation or automatically with three pictures after the bell is rung in absence.

Digital picture frame.

For the favourite pictures on the wall. Always when the ABB-WelcomeTouch is not being used. With a commercially available SD card you can additionally display high-resolution files from the computer or camera directly on the touchdisplay.

Three possibilities.
Style or style or style.

Blends perfectly. The ABB-WelcomeTouch blends perfectly with every environment. First, due to its unobtrusive design. Second, because it is available in three colours. For your personal requirements.

ABB-Wel**come***Touch*

- 17.8 cm (7") high-resolution TFT touchdisplay
- Intuitive touch control
- Attractive colours
- Hands-free function

01 **ABB**-Wel**come***Touch*, studio white matt

02 **ABB**-Wel**come***Touch*, aluminium silver

03 **ABB**-Wel**come***Touch*, anthracite matt

01

Whether for discreet integration or for strong contrast – the ABB-WelcomeTouch is available in three timeless colours. In studio white matt, aluminium silver and anthracite white. These versions can be ideally combined with many Busch-Jaeger switch ranges. This enables rooms to be uniformly designed.

02

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Always willing to listen.
Always ready to communicate.

» Intuitive operation
» Functional design
» Easy installation

The ABB-Welcome indoor audio station with handset. Clear sound in functional design. The best voice transmission due to full duplex mode and suppression of noise interference. With intuitive operation due to three large easy operation keys – for the direct activation of the door opener, mute function and hall light. The design can be integrated into every environment with three timeless colour variations, suitable with many Busch-Jaeger switch ranges.

Connects people.
Without a handset.

» Hands-free function
» Intuitive operation
» Easy to install

The ABB-Welcome indoor audio station. With the "Hands-free system" in door communication, your hands remain free for more important things or simply for greater convenience. High-quality microphones and loudspeakers guarantee optimum quality of transmission. Added to this is increased flexibility for many additional setting options for safety and comfort. Available in white, silver and anthracite.

Easy to understand.
Functional design.

As easy as saying hello. The ease with which the indoor station can be operated is due to its design. This makes one familiar with the device already at the first contact – whether resident or guest.

Intuitive operation.
Understandable symbols for the basic functions.

Accepting calls.*
As soon as the bell sounds, the green light on the button flashes and the call can be accepted or rejected. The decision is made easier due to a variety of bell sounds which assist in recognizing, for example, whether the call comes from the front door or the apartment door. Open the door.

Door opener
Opens the electric door lock. Button is illuminated at an incoming call and also signals the door call visually. After pressing the button it lights up green for five seconds.

Light
For directly switching on the hall light. After pressing the button the symbol lights up green for five seconds.

Mute function
Switches off the microphone of the indoor station during a conversation. To prevent the visitor at the front door from listening in. It can also be used to switch off the bell. The bell switches back on automatically after 10 hours. The symbol lights up red during the off period.

Functional design.
Easy to read and clear to the eye. The easy operation keys with illuminated symbols show which key is currently active. Very practical, especially in the dark.

For two senses.
Design for eyes and ears.

» Illuminated display
» Simple operation
» Matching with switch design

ABB-Welcome indoor audio station with display. Harmonises perfectly with light switches and socket outlets. For uniform optics in every room. The station has a hands-free function, full duplex and suppression of noise interference for a clear sound. Communication, door release, mute function and hall light are controlled via the cover plate of the display.

A holistic concept.
For uniformity of design.

01 **ABB**-Wel**come** indoor audio station with display, switch range carat®

02 **ABB**-Wel**come** indoor audio station with display, switch range solo®

03 **ABB**-Wel**come** indoor audio station with display, switch range Busch-*axcent*®

04 **ABB**-Wel**come** indoor audio station with display, switch range future® linear

05 **ABB**-Wel**come** indoor audio station with display, switch range Reflex SI / SI Linear

06 **ABB**-Wel**come** indoor audio station with display, switch range Busch-Duro 2000® SI / SI Linear

01 02

Consistent combination. As a comprehensive system the ABB-Welcome indoor audio station with display makes it possible to harmoniously match the door communication with light switches and socket outlets. Suitable for all surroundings and the various frames of the Busch-Jaeger switch ranges carat®, solo®, Busch-axcent®, future® linear, Reflex SI / SI Linear and Busch-Duro 2000® SI / SI Linear. In this way stylish concepts can be easily created without compromise.

» Variable switch design
» Uniform design of the entire electrical installations
» Variety of colours
» Space-saving flush-mounted installation

03 04 05 06

Fast orientation also in the dark. Here the illuminated 3.8 centimetre display (1.5") clearly shows the most important functions. Communication, door release, mute function and hall light can be easily activated via the cover plate of the display. And the settings also, of course. Five bell sounds are available to distinguish between door and floor ringing. The volume of the bell sounds as well as for the hands-free kit is freely adjustable.

Colour-coordinated.
In a wide spectrum.

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01 **ABB**-Wel**come***Touch*, studio white matt

02 **ABB**-Wel**come***Touch*, aluminium silver

03 **ABB**-Wel**come***Touch*, anthracite matt

04 **ABB**-Wel**come** indoor audio station with handset, studio white matt

05 **ABB**-Wel**come** indoor audio station with handset, aluminium silver

06 **ABB**-Wel**come** indoor audio station with handset, anthracite matt

07 **ABB**-Wel**come** indoor audio station, studio white matt

08 **ABB**-Wel**come** indoor audio station, aluminium silver

09 **ABB**-Wel**come** indoor audio station, anthracite matt

Different shades of colour. For all indoor stations. Already today Busch-Jaeger fulfils the desire for harmoniously matching indoor concepts and holistic installation solutions. As standard. This allows all indoor stations of door communication to be integrated into every style of living. That is why the ABB-WelcomeTouch and the ABB-Welcome indoor station with handset is available in studio white matt, aluminium silver and anthracite matt. And the ABB-Welcome indoor audio station with display is available in studio white, aluminium silver, anthracite, alpine white and white.

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10	**ABB**-Wel**come** indoor audio station with display, switch range carat®
11	**ABB**-Wel**come** indoor audio station with display, switch range solo®
12	**ABB**-Wel**come** indoor audio station with display, switch range Busch-*axcent*®
13	**ABB**-Wel**come** indoor audio station with display, switch range future® linear
14	**ABB**-Wel**come** indoor audio station with display, switch range Reflex SI / SI Linear
15	**ABB**-Wel**come** indoor audio station with display, switch range Busch-Duro 2000® SI / SI Linear

Vastly superior.
For all buildings.

01

02

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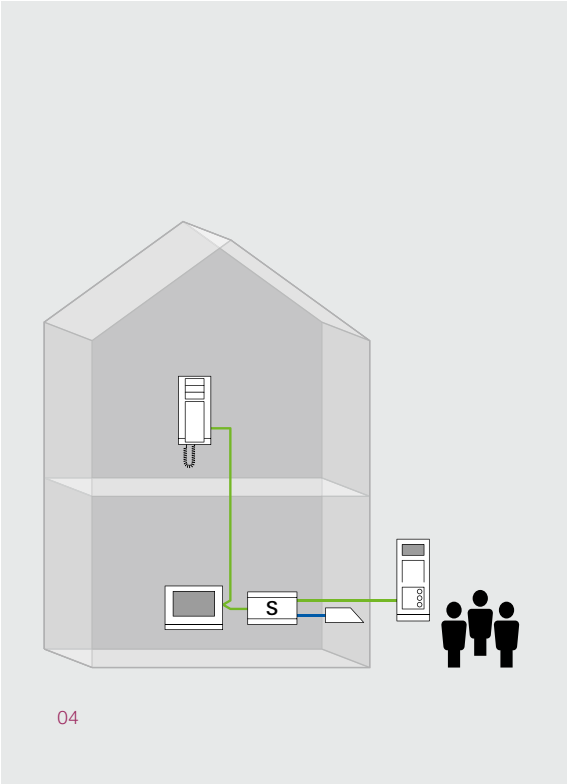
01 Modernisation

02 Single-family house

03 Multifamily house

Installation.
Very easy. ABB-Welcome systems are quickly installed by just one person. A single system consists of at least one outdoor station and one indoor station as well as the system controller. This system can be appropriately extended by additional system components. All devices are connected with each other via the 2-wire bus. This also makes it easy to convert older bell systems to ABB-Welcome.

2-wire bus system.
Two wires – twice-as-easy to install. Whether in new buildings or for modernisation of existing buildings. The ABB-Welcome door communication works consistently as 2-wire bus system. This means that existing lines can under normal circumstances be reused and nothing prevents the conversion to a future-compliant system. And this with small effort and very little expenditure.



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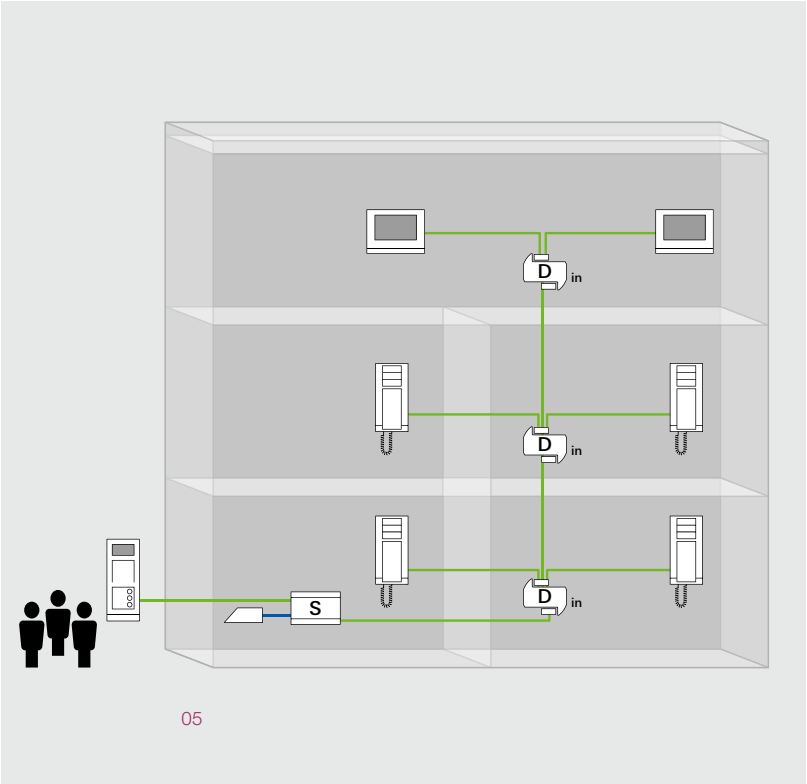

05

04 Single-family house with audio-video combination

05 Commercial object with audio-video combination

System controller.

Control for comfort. All roads lead to the ABB-Welcome system controller. It supplies and controls the door communication system. It serves for the connection of the video outdoor station, of indoor stations, the ABB-WelcomeTouch, electric door openers or the hall light. The switching duration of the door opener and the hall light is freely adjustable. The system controller is an MDRC.

Cable length.

Long cable. Whether from the garden gate to the house or in large-area buildings, the ABB-Welcome is the shortest way to safe door communication. For cables with a diameter of 0.8 mm the maximum length from the system controller to the remotest device of the outdoor bus for audio is approximately 300 metres. For video or combined audio and video systems approximately 100 metres.

More possibilities.
In every way.

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01 **ABB**-Wel**come** video outdoor station, 1 / 2 / 3gang

02 **ABB**-Wel**come** video outdoor station, 4 / 6gang

03 **ABB**-Wel**come** video outdoor station, 8 / 12gang

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04 **ABB**-Wel**come** audio outdoor station, 1 / 2 / 3gang

05 **ABB**-Wel**come** audio outdoor station, 4 / 6gang

06 **ABB**-Wel**come** audio outdoor station, 10 / 15gang

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07 **ABB**-Wel**come***Touch*

08 **ABB**-Wel**come** indoor audio station with handset

09 **ABB**-Wel**come** indoor audio station

10 **ABB**-Wel**come** indoor audio station with display

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11 **Busch-*Comfort*Touch**® 12.1

12 **Busch-*Comfort*Touch**® 9

ABB-Welcome video outdoor station

Functions

- Two high-quality versions: outdoor station studio white matt (metal-coated) and stainless steel (brushed), especially robust and resistant to environmental factors
- Camera modul in scratch and fire resistant finish
- Thickness of front plate of all outdoor stations is 3 mm
- Stainless steel version: robust polished corrosion-resistant (CRES) steel front plate
- Video outdoor station with 1 to 12 call buttons
- Suppression of noise interference for clearly audible door communication between resident and visitor
- Power supply and communication via 2-wire bus link. Additional wiring with outdoor station for auxiliary power is not required
- Name plates: hidden mechanism for exchanging, protects against unauthorised access
- Hands-free function
- Homogenous illumination of name plates and call buttons with long-life LEDs
- Supplied ready for connection, only the 2-wire bus needs to be connected
- If required, selectable acoustic feedback signal with a press of the call button
- Video camera with large detection angle (H 86°, V 67°) and mechanical adjustment (H ± 15°, V ± 15°)
- Automatic day and night switchover and infrared LEDs for illumination during the night

ABB-Welcome audio outdoor station

Functions

- Two high-quality versions: outdoor station studio white matt (metal-coated) and stainless steel (brushed), especially robust and resistant to environmental factors
- Thickness of front plate of all outdoor stations is 3 mm
- Stainless steel version: robust polished, corrosion-resistant (CRES) steel front plate
- Audio outdoor station with 1 to 15 call buttons
- Suppression of noise interference for clearly audible door communication between resident and visitor
- Power supply and communication via 2-wire bus link. Additional wiring with outdoor station for auxiliary power is not required
- Name plates: hidden mechanism for exchanging, protects against unauthorised access
- Homogenous illumination of name plates and call buttons with long-life LEDs
- Supplied ready for connection, only the 2-wire bus needs to be connected
- If required, selectable acoustic feedback signal with a press of the call button

ABB-WelcomeTouch

Functions

» Large 17.8 cm (7") colour display with intuitive touch control
» High-quality colour TFT touchdisplay with a resolution of 800 x 480 (WVGA)
» Automatic activation of the camera image at an incoming door call
» During absence three pictures of the visitor are automatically stored in the history memory
» Manual recording of pictures during a conversation is possible at any time
» History memory: the customer is informed who rang the bell at his front door and when
» Electronic picture frame can be selected in standby mode
» Hands-free function with suppression of noise and echo interference for audible communication
» Six easy operation keys for the basic functions of communication, opening of doors, mute function, switching of lights, snapshot and settings are easy and fast to operate
» Differentiating between the tone of a door call and floor call
» Five bells sounds can be selected
» Monitoring barrier
» Five-stage adjustable volume
» Automatic door opening function, opens the front door when the doorbell button is pressed
» Power supply and communication via 2-wire bus. Additional wiring with the indoor station for auxiliary power is not required

ABB-Welcome
indoor audio station with handset

Functions

» The handset is easy to take up and replace
» Three easy operation keys for the basic functions of opening the door, switching the lights and mute function
» Activating the easy operation keys without lifting the handset
» Differentiating between door call and floor ringing
» Five bells sounds can be selected
» Monitoring barrier
» Easy to mount on the surface or install on the commercially available 58 flush-mounted socket

ABB-Welcome
indoor audio station

Functions

» Hands-free function with suppression of noise and echo for intelligible communication
» Four easy-access buttons for basic functions such as: accepting the call, opening the door, switching the light and mute function
» Differentiating between the tone of a door call and floor call
» Five bells sounds can be selected
» Monitoring barrier
» Simple surface-mounted installation in a conventional 58 flush-mounted box
» Volume adjustable in five stages
» Floor call function, a connected button functions as a floor-call button: All interior stations with the same address trigger a floor call.
» Power supply and communication via 2-wire bus link.

ABB-Welcome
indoor audio station with display

Functions

» Large illuminated, monochrome display 3.8 cm (1.5")
» Feedback signals in the display make operation easier for the user since he gets constant feedback about the setting that is currently being made
» Automatic activation of the screen at an incoming door call
» Hands-free function with suppression of noise and echo interference for audible communication
» The basic functions of communication, opening of doors, switching of lights and mute function are located directly on the rocker switch and are easy to operate
» Differentiating between the tone of a door call and floor call
» Five bells sounds can be selected
» Monitoring barrier
» Five-stage adjustable volume
» Automatic door opening function, opens the front door when the doorbell button is pressed
» Power supply and communication via 2-wire bus link. Additional wiring with indoor station for auxiliary power is not required

Busch-ComfortTouch® 9
Busch-ComfortTouch® 12.1

Functions

» 30.48 cm (12") and 22.86 cm (9") colour display in 16:9 format
» Combines home control with information and entertainment functions
» Intelligent home control thanks to KNX technology
» Intuitive operation
» Private communication centre (e-mail and memo function)
» As an alternative to the ABB-WelcomeTouch also the Busch-ComfortTouch® can be used as a door communication centre by installing an IP gateway
» The IP gateway functions as interface between the ABB-Welcome 2-wire bus system and the IP network; it makes communication possible in picture and tone with a Busch-ComfortTouch®
» Incorporation of up to five ABB-Welcome outdoor stations
» Video surveillance
» Presence simulation
» Incorporation into an existing network is possible via LAN or WLAN without additional cabling
» Integrated video player
» RSS reader
» Graphic memo
» Voice message
» And many more

ABB-Welcome system controller

Functions

» Supplies and controls the entire door communication system
» The ABB-Welcome outdoor stations, the ABB-Welcome indoor stations and the electric door opener as well as the hall light are connected to the system controller
» The switching duration of door opener and light can be freely adjusted in specified areas
» MDRC

ABB-Welcome video outdoor distributor

Functions

» Makes possible the connection of several ABB-Welcome video outdoor stations to the ABB-Welcome system controller
» Is used on buildings with more than one video outdoor station

ABB-Welcome video indoor distributor

Functions

» Distributes the video signal of the ABB-Welcome video outdoor station in the building
» The video signal of the entrance door can be received in different apartments or in several rooms with the aid of the distributor
» Is available as MDRC or for flush-mounted installation

ABB-Welcome IP gateway for Busch-ComfortTouch®

Functions

» Makes possible the integration of audio and video signals of the ABB-Welcome system into the building system technology
» With the ABB-Welcome IP gateway (ABB i-bus® KNX installation) the Busch-ComfortTouch® turns into a comfortable video indoor station

ABB-Welcome
Keypad extension

Functions

» Make possible the integration of the ABB-Welcome installation in letterbox systems
» Makes audio communication possible
» Built-in relay for operating the door opener
» 8 inputs for connecting the doorbell push-switches
» Adjustable volume
» With interface for the connection of built-in keypad extensions
» With interface for the connection of the camera module

ABB-Welcome
Camera module

Functions

» Spare part for the outdoor station or as supplement for the the audio module assembly
» Extended audio module assembly with video function
» Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots
» Installed heating to keep the lens free of condensation

ABB-Welcome
Audio module assembly with microphone and loudspeaker

Functions

» Extends the audio module assembly by a further 12 binary inputs
» With interface for the connection of additional built-in keypad extensions
» The audio module assembly can be extended to a maximum of 99 inputs for doorbell push-switches with the aid of the built-in keypad extension

For detailed information:
see the ABB-Welcome manual
Part number: 0001-0-1305

Contact us

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